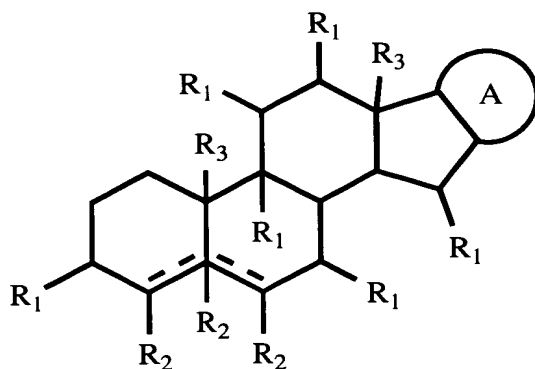


AMENDMENTS TO THE CLAIMS

Prior to further examination please amend the claims as follows. The following list of claims replaces all prior listings and versions of claims in the specification.

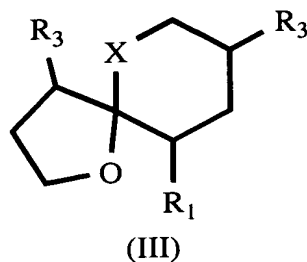
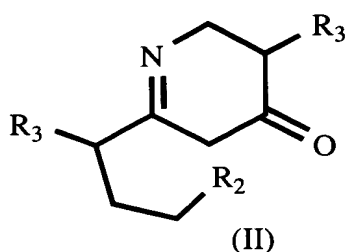
Claims 1-52. (cancelled)

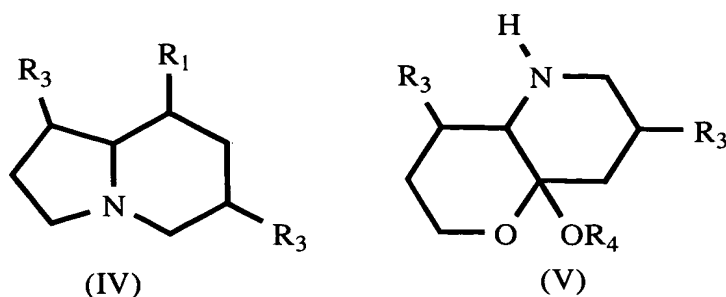
53. (New) A method for treating psoriasis comprising administering to a patient in need thereof a glycoalkaloid composition containing at least one containing at least one Z Glycoalkaloid of formula I:



wherein: either one or both of the dotted lines represents a double bond, and the other a single bond, or both represent single bonds;

A: represents a radical selected from the following radicals of general formulae (II) to (V):





each of R^1 is a radical separately selected from the group consisting of hydrogen, amino, oxo and OR^4 ;

each of R^2 is a radical separately selected from the group consisting of hydrogen, amino and OR^4 ;

each of R^3 is a radical separately selected from the group consisting of hydrogen, a carbohydrate and a carbohydrate derivative selected from the group consisting of a glyceric aldehyde, glycerose, erythrose, threose, ribose, arabinose, xylose, lyxose, altrose, allose, gulose, mannose, glucose, idose, galactose, talose, rhamnose, dihydroxyactone, erythrulose, ribulose, xylulose, psicose, fructose, sorbose, tagatose, and other hexoses, heptoses, octoses, nanoses, decoses, deoxysugars with branched chains, sugar alcohols, sugar acids, benzimidazoles, the enol salts of the carbohydrates, saccharinic acids, sugar phosphates;

"X" is a radical selected from the group comprising $-CH_2-$, $-O-$ and $-NH_2-$; and wherein the compound includes at least one R^4 group that is a carbohydrate or a carbohydrate derivative selected from the group comprising glyceric aldehyde, glycerose, erythrose, threose, ribose, arabinose, xylose, lyxose, altrose, allose, gulose, mannose, glucose, idose, galactose, talose, rhamnose, dihydroxyactone, erythrulose, ribulose, xylulose, psicose, fructose, sorbose, tagatose, and other hexoses, heptoses, octoses, nanoses, decoses, deoxysugars with branched chain, sugar alcohols, sugar acids, benzimidazoles, the enol salts of the carbohydrates, saccharinic acids, sugar phosphates.

54. (New) The method of claim 53 wherein the Z Glycoalkaloids triglycoside glycoalkaloids, solasodine glycosides or are selected from the group of

glycoalkaloids consisting of: solamargine, solasonine, solanine, tomatine, solanocapsine and 26-aminofurostane.

55. (New) The method of claim 53 wherein the glycoalkaloid composition comprises two Z Glycoalkaloids.

56. (New) The method of claim 55 wherein the ratio of the Z Glycoalkaloids is between about 6:1 and 1:6.

57. (New) The method of claim 55 wherein the ratio of the Z Glycoalkaloids is between about 1:1.

58. (New) The method of claim 55 wherein the Z Glycoalkaloids are solamargine and solasonine in a 1:1 ratio and the solamargine and solasonine are essentially free of (i) mono and diglycosides.

59. (New) The method of claim 58 wherein the solamargine and solasonine are also essentially free of (i) free sugars such as mono, di, tri, oligo or polysaccharides and (ii) aglycone.

60. (New) The method of claim 53 wherein the Z Glycoalkaloids are chiral, stereoisomers and mixtures thereof including enantiomers and/or diastereoisomers.

61. (New) The method of claim 53 wherein the Z Glycoalkaloids are isolated from natural sources.

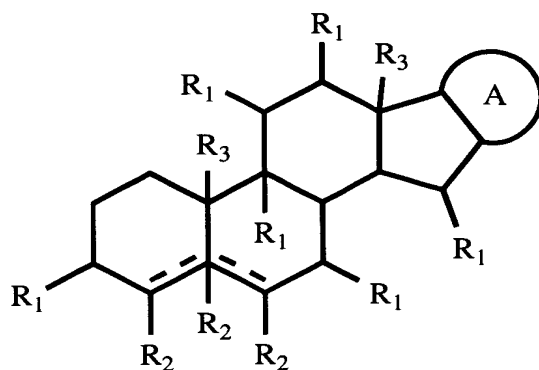
62. (New) The method of claim 53 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute greater than 70%-90% of the glycosides in the composition.

63. (New) The method of claim 53 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute 91-95% of the glycosides in the composition.

64. (New) The method of claim 53 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute 96-100% of the glycosides in the composition.

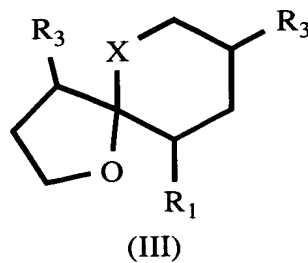
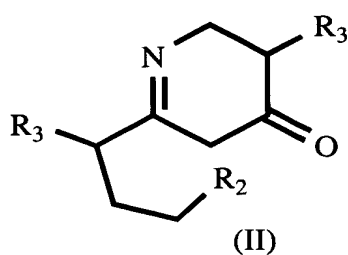
65. (New) The method of claim 53 wherein the glycoalkaloid composition is BEC.

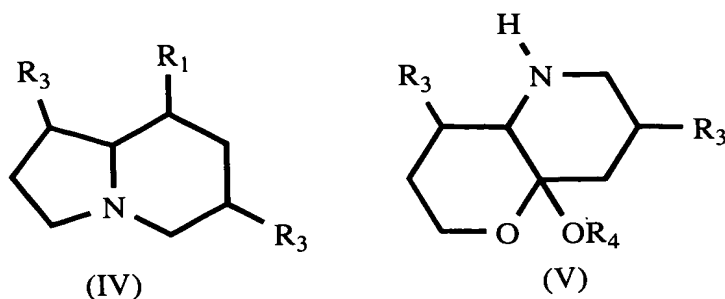
66. (New) A method for treating a disorder selected from the group consisting of mesothelioma and lung adenocarcinoma comprising administering to a patient in need thereof a glycoalkaloid composition containing at least one containing at least one Z Glycoalkaloid of formula I:



wherein: either one or both of the dotted lines represents a double bond, and the other a single bond, or both represent single bonds;

A: represents a radical selected from the following radicals of general formulae (II) to (V):





each of R^1 is a radical separately selected from the group consisting of hydrogen, amino, oxo and OR^4 ;

each of R^2 is a radical separately selected from the group consisting of hydrogen, amino and OR^4 ;

each of R^3 is a radical separately selected from the group consisting of hydrogen, carbohydrate and a carbohydrate derivative selected from the group comprising glyceric aldehyde, glycerose, erythrose, threose, ribose, arabinose, xylose, lyxose, altrose, allose, gulose, mannose, glucose, idose, galactose, talose, rhamnose, dihydroxyactone, erythrulose, ribulose, xylulose, psicose, fructose, sorbose, tagatose, and other hexoses, heptoses, octoses, nanoses, decoses, deoxysugars with branched chain, sugar alcohols, sugar acids, benzimidazoles, the enol salts of the carbohydrates, saccharinic acids, and sugar phosphates;

"X" is a radical selected from the group comprising $-CH_2-$, $-O-$ and $-NH_2-$; and

wherein the compound includes at least one R^4 group that is a carbohydrate or a carbohydrate derivative selected from the group comprising glyceric aldehyde, glycerose, erythrose, threose, ribose, arabinose, xylose, lyxose, altrose, allose, gulose, mannose, glucose, idose, galactose, talose, rhamnose, dihydroxyactone, erythrulose, ribulose, xylulose, psicose, fructose, sorbose, tagatose, and other hexoses, heptoses, octoses, nanoses, decoses, deoxysugars with branched chain, sugar alcohols, sugar acids, benzimidazoles, the enol salts of the carbohydrates, saccharinic acids, sugar phosphates.

67. (New) The method of claim 66 wherein the Z Glycoalkaloids triglycoside glycoalkaloids, solasodine glycosides or are selected from the group of

glycoalkaloids consisting of: solamargine, solasonine, solanine, tomatine, solanocapsine and 26-aminofurostane.

68. (New) The method of claim 66 wherein the glycoalkaloid composition comprises two Z Glycoalkaloids.

69. (New) The method of claim 68 wherein the ratio of the Z Glycoalkaloids is between about 6:1 and 1:6.

70. (New) The method of claim 68 wherein the ratio of the Z Glycoalkaloids is between about 1:1.

71. (New) The method of claim 68 wherein the Z Glycoalkaloids are solamargine and solasonine in a 1:1 ratio and the solamargine and solasonine are essentially free of (i) mono and diglycosides.

72. (New) The method of claim 68 wherein the solamargine and solasonine are also essentially free of (i) free sugars such as mono, di, tri, oligo or polysaccharides and (ii) aglycone.

73. (New) The method of claim 66 wherein the Z Glycoalkaloids are chiral, stereoisomers and mixtures thereof including enantiomers and/or diastereoisomers.

74. (New) The method of claim 66 wherein the Z Glycoalkaloids are isolated from natural sources.

75. (New) The method of claim 66 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute greater than 70%-90% of the glycosides in the composition.

76. (New) The method of claim 66 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute 91-95% of the glycosides in the composition.

77. (New) The method of claim 66 wherein the Z Glycoalkaloids are triglycoside alkaloids and constitute 96-100% of the glycosides in the composition.

78. (New) The method of claim 66 wherein the glycoalkaloid composition is BEC.